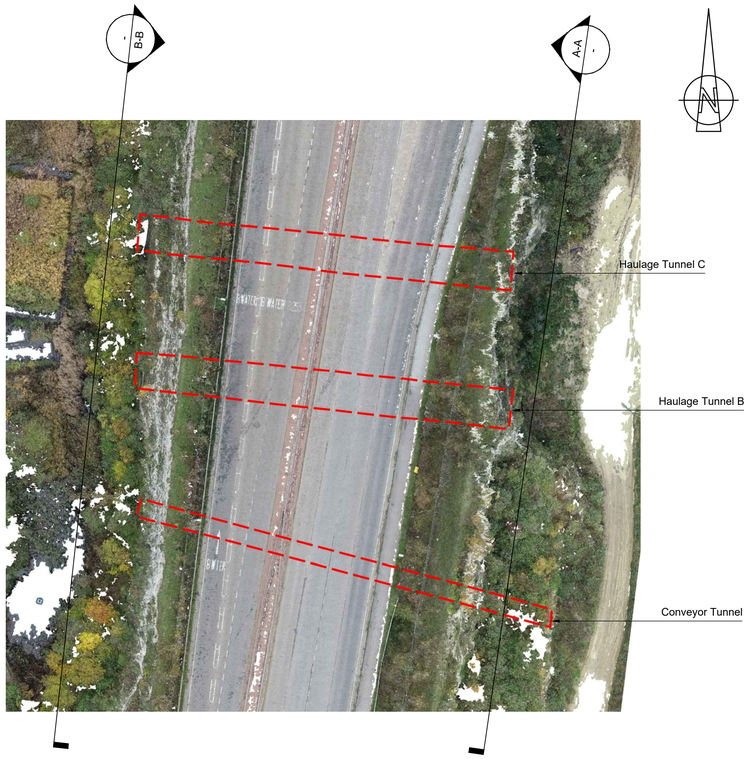
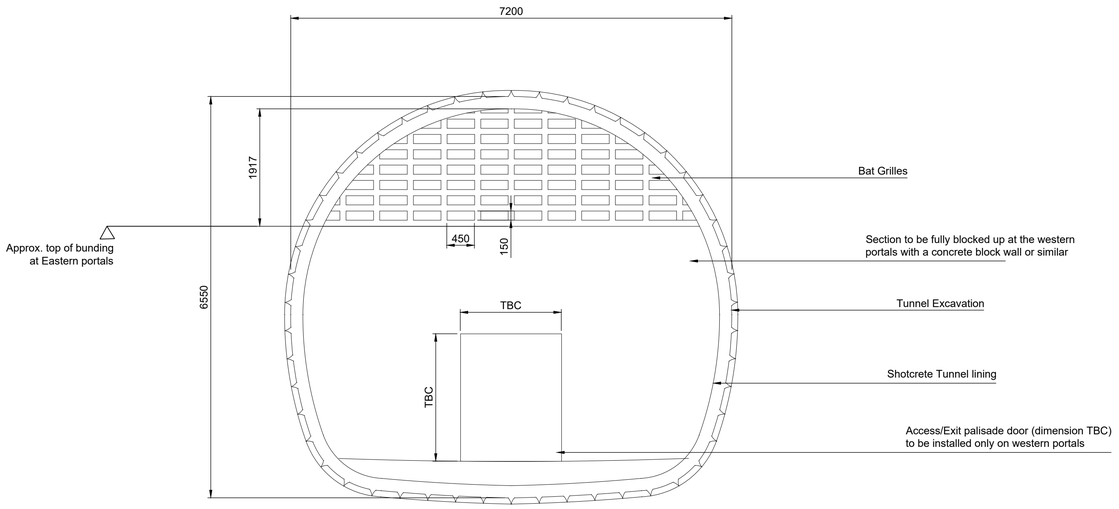
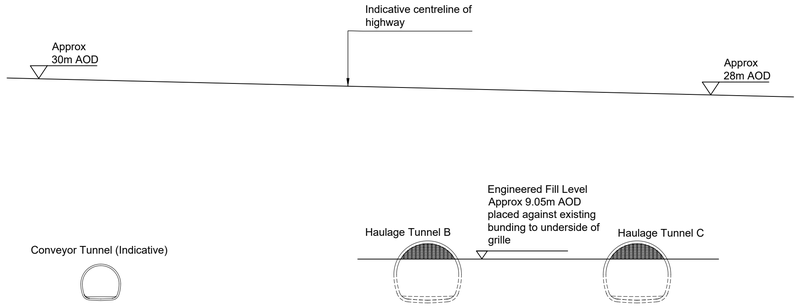


PLAN VIEW DISPLAYING TUNNEL BOUNDARY TO POINT CLOUD DATA
(NOT TO SCALE)

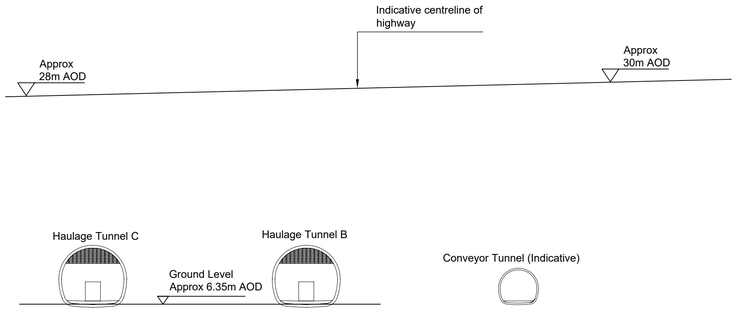


AS - DESIGNED TUNNEL CROSS SECTION SHOWING BAT GRILLE CONCEPTURAL ARRANGEMENT
SCALE 1:50

1m 0 1m 2m 3m 4m 5m
SCALE 1:50



ELEVATION A-A



ELEVATION B-B

RESIDUAL HAZARD	SUGGESTED CONTROL MEASURE

SIGNIFICANT RESIDUAL HAZARDS

NOTE: The above hazards do not include every hazard or assumption, but identify significant residual construction hazards that are not likely to be obvious to a competent contractor and those that could be difficult to manage effectively. Refer also to the designer's risk documentation.

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE
2. ALL LEVELS ARE IN METRES AOD UNLESS NOTED OTHERWISE.
3. REFER TO BAT LICENCE NOTE (Bean Rd Tunnel_Bat grilles_Filenote_27052021) AND APPENDIX A FOR FURHTER DETAILS ON BAT GRILLES INSTALLATION
4. GRILLES TO BE PREFABRICATED WITH TOUGHENED STEEL AND PROTECTED AGAINST RUST
5. THE DOOR LOCK SHALL BE THE WEAKEST PART OF THE GRILLE, TO MINIMISE THE RISK OF VANDALISM AGAINS THE GRILLE ITSELF
6. THE GRILLE MUST BE SECURELY FITTED INTO SOLID ROCK, IF AVAILABLE. A COMMON METHOD OF FITTING IS TO DRILL A SERIES OF HOLES AROUND THE ENTRANCE AND CEMENT IN STEEL RODS WHICH ARE THEN WELDED TO THE MAIN GRILLE. AN ALTERNATIVE IS TO FIT THE GRILLE WITH LUGS OR A RIM OF STEEL ANGLE AND THEN PIN IT TO THE WALL WITH ROCK-BOLTS. ROCK BOLTS SHOULD BE SCREWED UP TO 900MM INTO THE ROCK. THE HEADS OF THE BOLTS CAN THEN BE ROUNDED OFF OR WELDED TO THE FRAME FOR ADDITIONAL SECURITY.
7. BOTH TUNNELS SHALL BE SUBJECT TO DETAILED SURVEY AND INSPECTION AT THEIR RESPECTIVE ENTRANCES PRIOR TO FINAL SPECIFICATION AND DETAILING.

REV.	BY	CHK'D	APP'D	DATE	DESCRIPTION
P04	AMG	JR		11/11/21	FOURTH REVISION
P03	NM	JR		07/09/21	THIRD REVISION
P02	KP	JR		04/08/21	SECOND REVISION
P01	KP	JR		08/07/21	FIRST ISSUE

CODE	DRAWING STATUS
S2	FOR INFORMATION

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BEAN TUNNEL
TUNNEL AND HIGHWAY
DETAILED DESIGN

PLANNING CONDITION 11
BAT GRILLES
CONCEPTUAL ARRANGEMENT

SHEET 1 OF 1

DRAWING. No.
BRT-TG-XX-ZZ-SK-HI-0007

DRAWN : NM	DESIGNED : JR	REVISION
SCALE : AS SHOWN	ORIGINAL SIZE : A1	P04